THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Monsanto Technology LLC

Whereas, there has been presented to the

Secretary of Agriculture

An application requesting a certificate of protection for an alleged distinct variety of sexually reproduced, or tuber propagated plant, the name and description of which are contained in the application and exhibits, a copy of which is hereunto annexed and made a part hereof, and the various requirements of LAW in such cases made and provided have been complied with, and the title thereto is, from the records of the PLANT VARIETY PROTECTION OFFICE, in the applicant(s) indicated in the said copy, and Whereas, upon due examination made, the said applicant(s) is (are) adjudged to be entitled to a certificate of plant variety protection under the LAW.

Now, therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of TWENTY years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exclude others from selling the variety, or offering it for sale, or reproducing it, or importing it, or exporting it, or conditioning it for propagation, or stocking it for any of the above purposes, or using it in producing a hybrid or different variety therefrom, to the extent provided by the PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)



Attest:

CORN, FIELD

'CV897903'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-fifth day of June, in the year two thousand and fourteen.

A-3~

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

Keun J. Vilvel

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filling fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filling, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/isg/seed.htm.

ITEM

19a. Give:

(1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;

(2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Corn inbred parent line of hybrid sold in the U.S. - April 2009- April 10, 2009

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

U.S. Patent Application No. 12/424,147 - Filed April 15, 2009 (CV897903)

According to the Peperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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EXHIBIT A

(revised)

Origin and Breeding History CV897903

CV897903 was selected for improved dry down, stalk and root strength, better test weight and good combining ability.

Summer 2001	The inbred line I294213 (a proprietary DEKALB Genetics Corporation inbred- PVP No. 200400018) was crossed to the inbred line 5FCD1 *(a proprietary DEKALB Genetics Corporation inbred) in nursery row ZM 2001 04 US IL WT DXBLK 0061 00230.
Winter 2001-02	The F1 seed was grown and selfed under nursery row ZM 2001 10 CM PR IS 01 IB 000009.000.
*	The F2 seed was grown and self-pollinated in nursery ZM 2001 10 CM PR IS 05DC2 001041.000. 365 ears were selected.
Summer 2002	F3 ears were grown ear-to-row and self-pollinated. 1 ear was selected in nursery row ZM 2002 04 US IL WT F3DCY 008822.000.
Summer 2003	F4 ear was grown ear-to-row and self-pollinated. 1 ear was selected in nursery row 03 04 05 05 ILWASCNMAB_00006_00165.
Summer 2004	F5 ear was grown ear-to-row and self-pollinated. 3 ears from nursery row 04 04 05 05 ILWASCN2F1_00005_00261 were selected and designated as coded inbred CV897903.
Winter 2004-05	F6 ears were grown ear-to-row and self-pollinated. 3 ears from nursery row 04 10 05 1C LIRAN3B_00002_00026, 3 ears from nursery row 04 10 05 1C LIRAN3B_00002_00027, 3 ears from nursery row 04 10 05 1C LIRAN3B_00002_00028.
Summer 2005	F7 ears were grown ear-to-row and self-pollinated. 20 ears from nursery rows 05 04 05 05 ILWAPCM123_00004_00213 were selected.
Summer 2006	F8 ears were grown ear-to-row and self-pollinated. 20 ears from nursery rows 06 04 05 05 ILWAPCM_00023_00220 were selected.
Winter 2006-07	F9 ears were grown ear-to-row and self-pollinated. 30 ears from nursery rows 06 10 05 1C LIRAS3B_00003_00096 were selected. These F10 ear selections were hand off to Pre-Foundation.

*inbred 5FCD1 is derived from inbred line 7180 - PVP No. 200100182

Statement of Stability and Uniformity

Corn inbred CV897903 was coded in 2004 with final selection made in 2006-07. This inbred has been reproduced by self pollination in the summer of 2007 and judged to be stable for two generations. Inbred CV897903 is uniform for all traits observed.

Statement of Variants

CV897903 shows no variants other than what would normally be expected due to environment or that would occur for almost any character during the course of repeated sexual reproduction.

Statement of Distinctness

Monsanto Technology LLC believes that Corn Variety CV897903 is most similar to Corn Variety I294213 (PVP No. 200400018) a proprietary Monsanto Technology LLC corn variety.

Corn Variety CV897903 differs from Corn Variety I294213 at the following traits:

Trait	CV897903	1294213
Kernel Type	Intermediate	Dent
Glume Color	Green (2.5 GY 8/6)	Red (2.5 R 4/8)
Silk Color	Pink (2.5 R 7/6)	Yellow (10 Y 8.5/6)

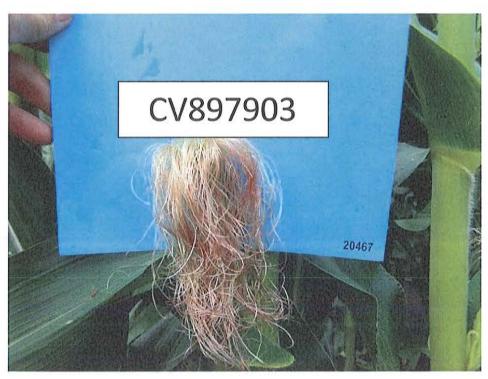
Corn variety CV897903 has intermediate kernel type, green glume color, and pink silk color while comparative corn variety l294213 has dent kernel type, red glume color and yellow silk color.





Photos showing kernel type difference between comparative corn variety I294213 and subject corn variety CV897903 (intermediate vs. dent)





Photos showing difference in silk color between comparative corn variety I294213 and subject corn variety CV897903 (green-yellow with hint of pink-tan vs. pink silks

REPRODUCE LOCALLY. Include form number and date on all reproductions.

Form Approved OMB NO 0581-0055

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is estimated to average 3.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parential status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY Corn (Zea mays L.)

Name of APPLICANT (S) Monsanto Technology LLC	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME CV897903	
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 8350 Minnegan Road		FOR OFFICIAL USE ONLY	
		PVPO NUMBER	
Waterman, IL 60556			
USA		#201000247	

In the spaces on the left, enter the appropriate numbers that describe the characteristics of the application variety. On the right, enter the appropriate numbers that describe the characteristics of the most similar comparison variety. Right justify whole numbers by adding leading zeros if necessary. The variety that you choose for comparison should be the most similar one in terms of overall morphology, background, genetics, and maturity.

In general, for this form, measurements of quantitative traits should be taken in one trial on 15-25 randomly selected plants to obtain averages and statistics that describe a typical field of the variety. Trials should be done preferably in one location, with replicates, in the region of best adaptability (where the variety will grow and perform to its best potential). Trials should include the application variety plus all comparison varieties.

At least one year of trials should be conducted within the United States of America. (Form technical content last updated Dec. 2008.)

The following historical STANDARD INBRED LINES are available from the North Central Regional Plant Introduction Station in Ames, Iowa. They have been well characterized and may be used as comparison varieties. If used, then use the most similar (in background and maturity) of these to make comparisons based on grow-out trial data.

Yellow Dent	Families:	Yellow Dent (Unrelated):	Sweet Corn:
Family	Members	Co109, ND246	C13, Iowa5125, P39, 2132
B14	CM105, A632, B64, B68	Oh7, T232	
B37	B37, B76, H84	W117, W153R	Popcorn:
B73	N192, A679, B73, NC268	W182BN	SG1533, 4722, HP301, HP7211
C103	Mo17, Va102, Va35, A682		
Oh43	A619, MS71, H99, Va26	White Dent:	Pipecorn:
WF9	W64A, A554, A654, Pa91	CI66, H105, Ky228	Mo15W, Mo16W, Mo24W

Describe the Region of Best Adaptability, trial set-up, and the environmental conditions (including monthly temperatures and rainfall) during the

Description of Trial set-up and environmental conditions provided in Exhibit D.

trial (continue in Comment Section).

1. TYPE:			Comparison V	ariety Name:I29	4213
3 1	= Flint 2= Flint-lik	te 3 = Intermediate 4 = Dent-like 5 = Dent	5 Туре		
2. MATURITY	(In Region Best A	daptability: show Heat Unit Formula in Comments sec	ction):		
DAYS	HEAT UNIT	S	DAYS	HEAT UNITS	
082	1386.0	From planting to 50% of plants in silk	084	1424.0	50% Silk
082	1386.0	From planting to 50% of plants in pollen	084	1424.0	50% Pollen
Application Va	riety Data		Comparison V	ariety Data	

Application Va	ariety Data			Comparison Variety Data
3. PLANT:		Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
237.1	cm Plant Height (to tassel tip)	5.8	15	230 · 6 cm Plant Height3.115
88.5	cm Ear Height (to base of top ear node)	2.8	15	90 · 9 cm Ear Height3.015
15.4	cm Length of Top Ear Internode	0.7	15	16 · 8 cm Internode0.815
5	Anthocyanin of Brace Roots (when brace purple anthocyanin in stripes or speckle 1 = Absent (Green) 3 = Weak (Pink) 5 = Medium (Light red; Light red/purpl 7 = Strong (Red; Red/purple) 9 = Very Strong (Dark red/purple)	s, rate the shade of a		_7_ Brace Root Anthocyanin
4. LEAF:		Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
9.2	cm Width of Ear Node Leaf	0.5	15	9 · 5 cm Leaf Width0.315
73.6	cm Length of Ear Node Leaf	1.6	15	73 · 1 cm Leaf Length1.115
1	Leaf Attitude from main stem to tip of lea 1= Erect 3= Horizontal 5= Droopi		ns)	_1_ Leaf Attitude
4	Pubescence on margin/edge of leaf she (Rate on scale from 1 = none to 9 = like	ath peach fuzz)		_5_ Pubescence on margin/edge of leaf sheath
5. TASSEL:		Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
4.0	Number of Primary Lateral Branches	0.4	15	5 · 0 No. Tassel Branches1.5
37.8	cm Tassel Length (From top node below flag leaf to tasse	3.8	15	35 · 7 cm Tassel Length2.215
9.7	cm Tassel Peduncle Length (From top node below flag leaf to botto	1.1 m tassel branch)	15	9 · 1 cm Peduncle Length1.0
22.8	cm Tassel Central Spike Length (From top tassel branch to tassel tip)	0.8	15	23.0 cm Central Spike Len1.115
1	Branch Attitude from Central Spike from (see UPOV diagrams): 1 = Erect	main spike to tip of to 3= Horizontal 5= D	assel branch rooping	1 Tassel Branch Attitude
3	Anther Color (2-3 days after being exposed 1= Green or Yellow (ex. Munsell Coded 3= Pink (ex. Munsell 2.5R 7/6 or 5R 5 5= Red (ex. Munsell 2.5R 4/8) 7= Dark Red (ex. Munsell 10RP 4/8) 9= Purple (ex. Munsell 5RP 5/8)	2.5GY 8/6 or 10Y 8.5	ddening effects) 5/6)	_3_ Anther Color
1	Glume Color (on the top 2/3 of the glume 1= Green or Yellow (ex. Munsell Code 3= Pink (ex. Munsell 2.5R 7/6 or 5R 5 5= Red (ex. Munsell 2.5R 4/8) 7= Dark Red (ex. Munsell 10RP 4/8) 9= Purple (ex. Munsell 5RP 5/8)	2.5GY 8/6 or 10Y 8.5	5/6)	_5_ Glume Color
1	Bar Glume Anthocyanin Color (on the bo Diagram; Note: the bar glume is listed as is at least 50% closed) 1= Green or Yellow (ex. Munsell Code 3= Pink (ex. Munsell 2.5R 7/6 or 5R 5 5= Red (ex. Munsell 2.5R 4/8) 7= Dark Red (ex. Munsell 10RP 4/8) 9= Purple (ex. Munsell 5RP 5/8)	s "present" if it is present 2.5GY 8/6 or 10Y 8.5	ent and the ring	_1_ Bar Glume Anthocyanin Color
Application Va	riety Data			Comparison Variety Data

#20100024 Zahibit C (Field Corn)

Application Va	riety Data			Comparison Variety Data
6a. EAR (Unh	nusked Data):	Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
6.0	cm Husk Extension (at harvest)	1.0	15	4.6 cm Husk Extension0.515
19.9	cm Husk Leaf Length	8.0	15	21.7 cm Husk Leaf Len0.9
3	Silk Color (2-3 days after emergence to 1= Green or Yellow (ex. Munsell Coo. 3= Pink (ex. Munsell 2.5R 7/6 or 5R 5= Red (ex. Munsell 2.5R 4/8) 7= Dark Red (ex. Munsell 10RP 4/8 9= Purple (ex. Munsell 5RP 5/8)	de 2.5GY 8/6 or 10Y 8.5 R 5/6)	ng effects) 5/6)	_1_ Silk Color
6b. EAR (Hus	sked Ear Data):	Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
13.8	cm Ear Length	0.9	15	16 · 1 cm Ear Length1.0
41.8	mm Ear Diameter at mid-point	1.0	15	42 · 3 mm Ear Diameter1.2
107.8	gm Ear Weight	7.2	15	151 · 77 gm Ear Wt7.515
16.0	Number of Kernel Rows	1.3	15	1 6.8 No. Kernel Rows1.015
26.5	Number of Kernels per Row	2.2	15	2 9.9 No. Kernels per Row2.415
5.9	cm Shank Length	1.4	15	7 · 8 cm Shank Length1.4 15
7. KERNEL (I	Oried):	Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
11.1	mm Kernel Length	0.3	15	11.9 mm Kernel Length0.415
7.4	mm Kernel Width	0.3	15	7 · 6 mm Kernel Width0.515
2	Hard Endosperm Color 1= White (ex. Munsell Code 5Y 9/1 2= Yellow (ex. Munsell Code 2.5Y 3= Other (specify			_2_ Hard Endosperm Color
1	Endosperm Type: 1 = Normal Starch 3 = Waxy Starch 5 = High Lysine 7 = Other	2 = High Amylose St 4 = High Protein 6 = High Oil	arch	_1_ Endosperm Type
31.9	gm Weight per 100 Kernels (unsized s	ample)2.7	15	26.30 gm Kernel Wt3.615
8. COB:		Standard Deviation	Sample Size	Mean Standard Deviation Sample Size
23.8	mm Cob Diameter at mid-point	0.9	15	24 · 1 mm Cob Diameter1.015
3	Cob Color 1= White (ex. Munsell 5Y 9/1 or 2 2= Pink (ex, Munsell 2.5R 7/6 or 3 3= Red (ex. Munsell 2.5R 4/8 or 10 4= Other (describe	5R 5/6))	_3_ Cob Color
9. DISEASE RESISTANCE of the variety per se: Name the disease, the causative organism, the races or strains, and the resistance rating (rate from 1 (most susceptible) to 9 (most resistant). Trials should be conducted with resistant and susceptible check varieties, and ensure that adequate disease pressure is present in the trial (such as with inoculations or heavy disease pressure). EXAMPLE: 7 Helminthosporium Leaf Spot (Bipolaris zeicola) Race 2				
Application Va	riety Data			Comparison Variety Data

#20100-0-2-4-7

11 2 0 1 0 0 0 8		
Application Variety Data	Comparison Variety Data	
10. INSECT RESISTANCE of the variety per se: Name the insect, give its scientific name, and the resistance rating (rate from 1 (most susceptible) to 9 (most resistant). Trials should be conducted with resistant and susceptible check varieties, and ensure that adequate insect pressure is present in the trial (such as with inoculations or heavy insect pressure).	INSECT RESISTANCE of the comparison variety per se: Rate the same insects as tested for the application variety.	
EXAMPLE: European Corn Borer (Ostrinia nubilalis)		
ş.		
11. MOLECULAR MARKERS: (1 = data available but not supplied; 2 = data supplied)	11. MOLECULAR MARKERS	
po Portion (Contraction Contraction Contra		
Isozymes RFLP's RAPD's	Isozymes RFLP's RAPD's	
SSRs SNPs Other (Specify)	SSRs SNPs Other	
 AGRONOMIC TRAITS: Please place hybrid performance data in Exhibit D if desire to report it. 	12. AGRONOMIC TRAITS	
Kg/ha Yield of Variety Per Se (at grain maturity)	Kg/ha Yield of Variety Per Se	
Application Variety Data	Comparison Variety Data	
REFERENCES:		
 Butler, D.R. 1954. A System for the Classification of Corn Inbred Lines. PhD Thesis. Ohio Statemerson, R.A., G.W. Beadle, and A.C. Fraser. 1935. A Summary of Linkage Studies in Maize. Farr, D. F., G. F. Bills, G.P. Chamuris, A.Y. Rossman. 1989. Fungi on Plant and Plant Products Society. St. Paul, MN. Inglett, G. E. (Ed.) 1970. Corn: Culture, Processing, Products. Avi Publishing Company, Westp 	Cornell A.E.S., Mem. 180. in the United States. The American Phytopathological	
Jugenheimer, R. W. 1976. Corn: Improvement, Seed Production, and Uses. John Wiley & Sons McGee, D.C. 1988. Maize Diseases. APS Press. St. Paul, MN. 150 pp. Munsell Color Chart for Plant Tissues. Macbeth. P.O. Box 230, Newburgh, NY 12551-0230. The Mutants of Maize. 1968. Crop Science Society of America, Madison, WI. Shurtleff, M.C. 1980. Compendium of Corn Diseases. APS Press. St. Paul, MN. 105 pp. Sprague, G.F., and J.W. Dudley (Editors). 1988. Corn and Corn Improvement. Third Edition. A Stringfield, G.H. Maize Inbred Lines of Ohio. Ohio A.E.S., Bul. 831. 1959. UPOV publications can be accessed at http://www.upov.int/en/publications/tg_rom/tg_index.html	gronomy Monograph 18. ASA, CSSA, SSSA, Madison, WI.	
U. S. Department of Agriculture. 1936. 1937. Yearbook.		

COMMENTS: (e.g., state how heat units were calculated, report any traits not listed on the form, and/or where data was collected. Continue in Exhibit D.)

Heat Unit Calculation: GDU = $\underline{\text{Daily Max Temp (<=86°F) + Daily Min Temp (>=50°F)}}$ - 50°F 2



EXHIBIT D

Description of Experimental Design

The corn varieties CV897903 and I294213 were grown at the Waterman, IL observation nursery in years 2007-2008. The varieties were planted in 2 row plots with 15 plants per row in each of the three years. Trait data were collected on 10 random representative plants for most traits from each 2 row plot. Data on qualitative traits are usually collected on 15 plants from each 2 row plot. For Exhibit C all data were pooled and reported as means across the years for subject variety and the standard variety with standard deviation. The varieties are randomly planted in a 4.5 acre observation nursery which is located within a larger 18 acre field. Besides the observation nursery, this field consists of a research seed increase nursery and an IP seed inventory nursery. The location of each of these individual nurseries is rotated each year to a different location within the 18 acre field. Therefore subject inbreds are not planted adjacent to comparative or standard varieties and may be located in different areas of the larger field each year, therefore being influenced by spacial differences within the field. Growing conditions within the field are not uniform as there are some slight topographical variations such as lower areas which may accumulate and retain water or higher areas which are usually drier. The field is tiled and therefore a variety maybe planted close to a tile line while a comparative variety maybe planted further away and in a low spot within the field. Temporal varieties can exist as weather conditions from year to year can vary as well as planting dates can vary from year to year based on weather conditions. Weather conditions each year can vary the maturity rate of the varieties due to either favorable or unfavorable growing conditions.

Trait variability is not observed for each variety within its own test plot-plants are usually uniform and data are collected on the "most" representative plants- variability occurs due to spacial location of the test plot for that variety from year to year and to the temporal variation of weather conditions from year to year during the 2 years data are collected.

Waterman Research Station Monthly Weather Data 2007-2008

Date	Average Precip. (mm)	Ave. Monthly Temp- Max. (F°)	Ave. Monthly Temp- Min (F°)	Ave. Monthly Rel. Humid Max (%)	Ave. Monthly Rel. Humid Min (%)
April 2007	3.1	56.4	35.3	83.9	46.3
May 2007	1.6	76.8	51.1	80.2	34.9
June 2007	3.4	80.3	59.2	88.6	46.7
July 2007	3.7	81.1	59.6	91.3	49.3
August 2007	8.8	82.2	63.8	93.6	59.2
September 2007	0.7	79.2	52.0	88.8	38.2
April 2008	3.4	59.2	38.6	88.6	47.3
May 2008	3.7	67.2	43.1	86.9	39.7
June 2008	3.5	80.3	59.3	90.1	45.8
July 2008	4.2	82.4	61.0	91.4	50.0
August 2008	1.7	80.6	58.1	92.3	49.2
September 2008	7.3	75.1	53.4	94.4	54.1

Supplemental Data

Characteristic	CV897903	4SCQ3
Leaf Sheath Pubescence	Light (4)	Moderate (6)
Leaf Longitudinal Creases	Moderate (6)	Light (3)
Cob Color	Red (3)	White (1)

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to det certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued.	(421). The	informat	ion is he	otection	
NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VAF	RIETY NA	ME		
Monsanto Technology LLC	OR EXPERIMENTAL NUMBER		C/	/8979	903	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX	(Include at	ea code)		
Tim Kain	(815) 758 - 9281		(815)	758 -	- 3117	
8350 Minnegan Road Waterman, IL 60556 USA	7. PVPO NUMBER	#2	0 1	0 0	02	4
8. Does the applicant own all rights to the variety? Mark an "X" in the	he appropriate block. If no, please expla	ain.	Х	YES		NO
9. Is the applicant (individual or company) a U.S. national or a U.S.	based company? If no, give name of o	country.	Х	YES		00
9. Is the applicant (individual of company) a 0.5. hational of a 0.5.	based company? If no, give name or c	Journay.	X	1.0	Ш,	
Is the applicant the original owner? X YES	NO If no, please answer one	of the fo	ollowing:			
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Nation NO If no, give name of count					
b. If the original rights to variety were owned by a company(ies	s), is (are) the original owner(s) a U.S. ba		pany?			
11. Additional explanation on ownership (Trace ownership from orig	ginal breeder to current owner. Use the	reverse fo	or extra s	pace if n	eeded):	
Corn Variety CV897903 was originated and Technology LLC. By agreement between N to any invention, discovery, or development rights to such invention, discovery, or development	Monsanto Technology LLC of t are assigned to Monsanto	and the	e bree nolog	der, a	all rights	s
PLEASE NOTE:						
Plant variety protection can only be afforded to the owners (not lice	nsees) who meet the following criteria:					
If the rights to the variety are owned by the original breeder, that national of a country which affords similar protection to nationals	person must be a U.S. national, national of the U.S. for the same genus and specific	l of a UPC cies.	OV memb	er coun	try, or	
If the rights to the variety are owned by the company which emplorationals of a UPOV member country, or owned by nationals of a genus and species.	oyed the original breeder(s), the compar a country which affords similar protection	ny must b i to nation	e U.S. banals of the	ised, ow e U.S. fo	ned by r the same).
AND A REPORT FOR THE PROPERTY OF THE PROPERTY	and the second process of the second field and the second		of the ab	marin melle	orio	

If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is observed to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F

	DECLARATION REGARDING DEPOSIT		-
NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR EXPERIMENTAL DESIGNATION	
Monsanto Technology LLC	8350 Minnegan Road Waterman, IL 60556 USA	VARIETY NAME CV897903	*
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY	
Timothy R. Kain	8350 Minnegan Road Waterman, IL 60556 USA	#2010002	47

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Jimothy R. C.

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